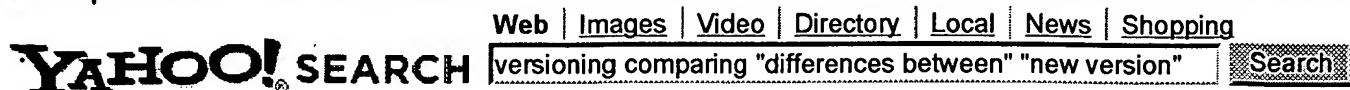


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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L11	L8 and customiz\$	216
<input type="checkbox"/>	L10	L8 and L2	32
		<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L8	L7 or L6	381
<input type="checkbox"/>	L7	L4 and (generat\$ near new version)	42
<input type="checkbox"/>	L6	L4 and (creat\$ near new version)	344
<input type="checkbox"/>	L5	L4 and new version	2283
<input type="checkbox"/>	L4	L3 and (differe\$ near between)	32004
<input type="checkbox"/>	L3	version\$ and (updat\$ or upgrad\$)	89172
<input type="checkbox"/>	L2	717/120-123,168-173.ccls.	1785
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<input type="checkbox"/>	L1	5809287.pn.	1

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1. [Open Source Development With CVS](#)
 ... Which brings us to our first "CVS Saves Your Life" situation: **comparing** your working copy against the repository ...
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Comparing files and versions. This is a feature of JBuilder SE and Enterprise ... ways to compare files, view **differences** different ... revise it), you make a **new version** (or revision) of that file ...
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Comparing files and versions. JBuilder provides many ways to compare files, view **differences between** different files a file, and to manage, merge, and revert file differences. ... make a **new version** (or revision ... StarTeam, Concurrent Ver:
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4. [versioning extensions](#)
 Network Working Group G. Clemm Request for Comments: 3253 Rational Software Category: Standards Track J. ... Cru
 WebDAV (Web Distributed Authoring and **Versioning**) Status of this ... creates a **new "version history resource"**. In bas
[www.ietf.org/rfc/rfc3253.txt](#) - 246k - [Cached](#) - [More from this site](#) - [Save](#) - [Block](#)
5. [http://ietfreport.isoc.org/all-ids/draft-ietf-deltav-versioning-10.txt](#)
 Internet-Drafts are working documents of the Internet Engineering Task Force (IETF), its areas, and its working groups. I
 working documents as Internet-Drafts.
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6. [WDIFF](#)
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[bgp.potaroo.net/cgi-bin/.../draft-ietf-deltav-versioning-09.txt](#) - 210k - [Cached](#) - [More from this site](#) - [Save](#) - [Block](#)
7. [RFC 3253 \(rfc3253\) - Versioning Extensions to WebDAV \(Web Distributed Auth](#)
 ... Cruz March 2002 **Versioning** Extensions to WebDAV (Web ... Authoring and **Versioning**) **versioning** extensions to tl
 resource". In basic **versioning**, a version ...
[www.faqs.org/rfcs/rfc3253.html](#) - 236k - [Cached](#) - [More from this site](#) - [Save](#) - [Block](#)
8. [ietf-deltav-versioning-20.txt-246122.txt](#)
[draft-ietf-deltav-versioning](#). Date: 10-Mar-2002 ... WebDAV **Versioning** includes: - Automatic **versioning** for **versioning**
 resource". In basic **versioning**, a ...
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9. [RFC 3253 - Versioning Extensions to WebDAV \(Web Distributed Authoring and Versioning\)](#)
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10. [Versioning Extensions to WebDAV \(Web Distributed Authoring and Versioning\)](#)
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 history resource". In basic **versioning**, a ...
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versioning comparing "differences between" "r"

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Schema change **versioning**, MS Visual SourceSafe integration. ... This **new version** offers a new skinnable interface and a lot of great new features, ...

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[Patent 5278979: Version management system using pointers shared by ...](#)

Full Copy **versioning** is the most basic implementation of maintaining ...

The objective of the compare is to identify **differences between** the two files in ...

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[A Crash Course in Subversion, Part 2](#)

Subversion accomplishes this by leveraging the design of its **versioning** repository

... You might want to make a tag when you release a **new version** of your ...

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[INTERNET-DRAFT Jim Amsden, IBM draft-ietf-webdav-version-goals-01 ...](#)

[Page 1] INTERNET-DRAFT Goals for Web **Versioning** May 17, 1999 Table of Contents 1

... Determine the **differences between** two configurations by listing the ...

www.ietf.org/proceedings/99nov/I-D/draft-ietf-webdav-version-goals-01.txt - 71k - [Cached](#) - [Similar pages](#)

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The most common version formats are "dot" **versioning** (eg 1.2.3) and date ...

the existing configuration file, **comparing differences between** the files, ...

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[SansGUI FAQ](#)

What can I NOT do with the SansGUI Run-Time Environment, **comparing** with the SansGUI

... As long as you use the class **versioning** facility in the SansGUI ...

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of file-based **versioning** in structuring the version tree (sec- ... only a **new**

version of the relationship between the old ori- ...

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[PDF A corpus-based technique for grammar development](#)

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One of the main **differences between** a fully constraint-based ... and can be

schematised as a **versioning** step by step semi-automated sequence of experiments. ...

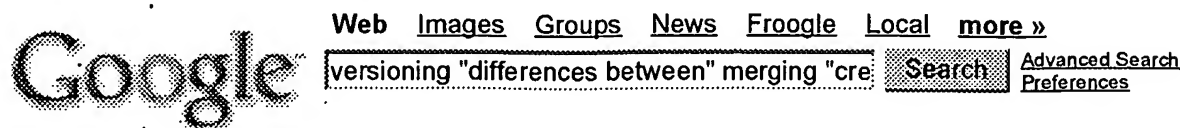
www.builtreebank.org/SProLaC/blache.pdf - [Similar pages](#)

[15 Seconds : ClickOnce Deployment in .NET Framework 2.0](#)

Dino Esposito discusses the **differences between** the DataGrid control in version

1.x and 2.0 ... One area that stands out when **comparing** ADO.NET 1.x to ADO. ...

<http://www.google.com/search?q=versioning+comparing+%22differences+between%22+%22new...> 6/28/01



Web Results 91 - 100 of about 248 for versioning "differences between" merging "create a new version". (0.20 seconds)

[PDF] ID 6 i

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... among those concepts are: Branch, Merge, Dependency and ... 0 Compare - report **differences between** two elements of the ... Element **Versioning** As of Designer 6i we see ...

www.odtug.com/2000papers/jellema2.pdf - Supplemental Result - [Similar pages](#)

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... This makes it real easy to spot the **differences between** the conflict-participants.

You can also open the Notes documents themselves from within List Fields. ...

[www.vcode.no/.../0/F5A9CDEA8FE28EE3C1256F2C0026AD43/\\$File/List%20Fields%20User%20Guide,%20version%201.1b.pdf](http://www.vcode.no/.../0/F5A9CDEA8FE28EE3C1256F2C0026AD43/$File/List%20Fields%20User%20Guide,%20version%201.1b.pdf)

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Object Management Group First Needham Place 250 First Avenue ...

... which it should be possible to subsequently merge. ... 6.5.2 **Versioning**-specific mechanisms

Proposals shall ... 6. determine the **differences between** different versions ...

www.omg.org/docs/ad/02-06-23.txt - 60k - Supplemental Result - [Cached](#) - [Similar pages](#)

INTERNET-DRAFT Geoffrey Clemm, Rational Software draft-ietf-deltav ...

[Page 9] INTERNET-DRAFT WebDAV **Versioning** February 23, 2001 Fork, Merge When a

second ... A working resource can be checked in to **create a new version**. ...

mirrors.isc.org/pub/www.watersprings.org/pub/id/draft-ietf-deltav-versioning-14.txt - 230k - [Cached](#) - [Similar pages](#)

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system level **versioning** available in previous releases. ... When you **create a**

new version of an existing configuration you have all the features that are ...

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[PDF] The Rational Edge -- June 2002

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differences between building software and building just about anything ...

versioning requirements artifacts (use cases) with Rational. ®. RequisitePro ...

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[PS] A Reusable, Distributed Repository for Configuration Management ...

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To promote these changes to the repository, the **versioning** functions described

in the previous ... Syntactic software **merging**. In Software Configuration ...

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[PS] Versioning in a Software Engineering Database --the Change ...

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The work is based on Change Oriented **Versioning**, or COV for short, ... If we

create a new version by **merging** two changes, there may be nothing in the ...

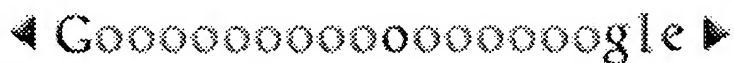
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Cover Pages: XML Articles and Papers. April - June 2001.

[In Paper Session Four: XML Document **Versioning** and Change Management; Chair:

Susanne Boll, ... In the same context: **Differences between** ebXML and UDDI. ...

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Searching for **versioning and differences between and merging and create a new version.**

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Fragmentation in Molecular Clouds: The Formation of a Stellar.. - By Ralf (Correct)

T j E int =jE pot j, which is defined as the ratio **between** the internal and gravitational energy of the towards a common center of attraction where they **merge** with each other or undergo R. Klessen &A. and non-linear gravitational collapse begins to **create** a power-law like mass spectrum. A common feature www.mpia-hd.mpg.de/theory/klessen/Preprints/c6.ps.gz

A Geometric Flow For White Matter Fibre Tract.. - Campbell, Siddiqi.. (2002) (Correct) (4 citations)

no sorting bias. It is confined to a small range **between** 0 and 1, with 0 implying that the diffusion is algorithm should account for curving, branching, **merging**, and junctions of fibres. It should be stable in vector field, shown by the arrows, is one which **creates** a large inward flux through the surface of a www.bic.mni.mcgill.ca/~jcampbel/papers/1294.pdf

A Scheme for Integrating E-Services in Establishing .. - Berfield.. (Correct)

implement the Workflow Repositories. The current **version** of Epilitis is written in LISP, but using techniques to find potential conflicts **between** the two workflows, and to suggest additional combinations, if any exist. It then uses plan-**merging** techniques to find potential conflicts **between** www.eecs.umich.edu/~pollackm/distrib/ride02.ps

Microsimulation Analysis of Automated Vehicles on.. - Antoniotti.. (1997) (Correct)

where there is no communication among vehicles and **between** vehicles and the infrastructure. **Merging** traffic Analysis of Automated Vehicles on Multiple Merge Junction Highways Marco Antoniotti California not collide)and performance (**merging** must not **create** undue congestion)In this paper, we present an www.path.eecs.berkeley.edu/~akash/merge-smc.ps

Building Commercial Agents: An IBM Research Perseptive - Grosz (1997) (Correct)

(HTTP)are included in the currently available **version** of ABE. ABE supports and includes adapters rules, based on an analysis of the dependencies **between** the predicates that appear in the rules (and of user-authored rule sets (including easy **merging** and updating)and development-time pluggability www.research.ibm.com/people/g/grosz/paps/rc20835.ps

A Logic to Reason on Contradictory Beliefs With a Majority.. - Laurence Cholvy And (Correct)

information sources is the possible inconsistency **between** sources. The many works which address this The context of this paper is the problem of **merging** data provided by several information sources, A logic to reason on contradictory beliefs with a news.cert.fr/francais/deri/cholvy/workshop-ijcai01.ps

Pruning versus Merging in Kalman Filter Banks for Manoeuvre .. - Alf Isaksson Fredrik (1997) (Correct) (1 citation)

banks of Kalman filters, there are fundamental **differences** in their modelling philosophy. The Markov model corresponds to modelling the transition **between** different turn rates according to a Markov Pruning versus **Merging** in Kalman Filter Banks for Manoeuvre Tracking www.control.isy.liu.se/~niclas/pub/aestracking.ps.gz

Optimizing TBox and ABox Reasoning with Pseudo Models - Haarslev, Möller (2000) (Correct)

is wasted. It is easy to see that an enhanced **version** of the individual model **merging** technique can be **mergable** tests for a possible primitive clash **between** pairs of pmodels. It is applied to a set of being investigated are called deep model **merging** and individual model **merging**. The presented kogs-www.informatik.uni-hamburg.de/~moeller/papers/DL-2000-haarslev-moeller-1.ps.gz

In-Place versus Re-Build versus Re-Merge: - Index Maintenance Strategies (Correct)

sizes and buffer sizes. These experiments, using a **version** of our open-source LUCY search engine, show that lists. For example, document ordering allows **differences** to be taken **between** consecutive numbers, and document ordering allows **differences** to be taken **between** consecutive numbers, and then the **differences** www.cs.rmit.edu.au/~jz/fulltext/acsc04.pdf

Using Ontologies For Advanced Information Access - Sintek, al. (2000) (Correct)

<http://citeseer.ist.psu.edu/cs?qb=dbnum%3D1%2Cstart%3D40%2Cao%3DCitations%2Cam%3D...> 6/28/01

agentbased application. In the current, minimal **version**, the following parts are already there: Figure information, and streamline conceptual **differences between** the different input schemata a bit. In "common denominator" for, or a "meta-level bridge" **between** several dispersed information systems has been www.dfki.uni-kl.de/~aabecker/Postscript/MSiAA-Pakem2000-header.pdf

A Hybrid Extended Finite Element/level Set Method for.. - Ji, Chopp, Dolbow (2002) (Correct)
period of time simulated. As a means of comparison **between** the present formulation and one that employs a not appear to provide a simple means to address **merging** and bifurcating interfaces. A new approach for Engng 2002 54:1209-1233 (DOI: 10.1002/nme.468) A hybrid extended #nite element=level set method for ceelab4.egr.duke.edu/~dolbow/papers.dir/phase_xfem2.pdf

Scenario Evolution: a Closer View on Relationships - Karin Breitman Julio (2000) (Correct)
evolution is very complex. The process of **versioning** is very fuzzy, scenarios are constantly **merging** episodes are the same for the two scenarios, the **differences** are in the context and the actors they (software system) is beneficial in the interaction **between** users and developers [Leite95]Our conjecture, www-di.inf.puc-rio.br/~karin/icre.pdf

IREX: IR and IE Evaluation project in Japanese - Satoshi Sekine Hitoshi (2000) (Correct) (1 citation)
matches the topic. There are some relationships **between** the articles and the topic. C :No relationship TOPIC-ID1001TOPIC-ID DESCRIPTIONCorporate **merging** DESCRIPTION NARRATIVEThe article describes it is included in the table, because the data was **created** by IREX participants, using the definition of cs.nyu.edu/cs/projects/proteus/sekine/papers/lrec00-irex.ps

State Space Compression in - With Ch Gr'egoire (Correct)
in both cases (fig. 7) and also for the spin **versions** (fig. 7)The linearity is somewhat surprising, mode. Note also that, in reduce d mode, the **difference** in time performance is a factor of about 4, but condition guarantees that there will be suffix **merging** of tuples that share equal ends, while the spinroot.com/spin/Workshops/ws96/Gr.pdf

Acquisition of Ontological Knowledge from Canonical Documents - Raphael Malyankar Dept (2001) (Correct)
using Protege, due to the lack of electronic **versions** of the symbology definitions. Approximately 500 investigations into this issue continue. This **difference** may be a characteristic of the source of using graph traversal programs that exploit links **between** entities and attributes in the object catalog. SunSITE.Informatik.RWTH-Aachen.de/Publications/CEUR-WS/Vol-38/malaynaker.pdf

Modelling and Verification of Automated Transit Systems, using.. - Lynch (Correct) (2 citations)
ATS domain seem to be simpler #one-dimensional# **versions** of problems arising in airtra #c control. 2. The and simulations: #statements of relationships **between** states of an implementation system and states of typical vehicle maneuvers, such as lane changes, **merging** and diverging at Y-junctions, joining and www.lcs.mit.edu/publications/pubs/pdf/MIT-LCS-TM-545.pdf

Tools for Stored Interactive Multimedia - Villumsen (1996) (Correct)
A.2 Swords, iron and millstones, first **version** .225 A.3 Swords and iron, second 74 13 6.1 Elastic media fill the gap **between** user-controlled and authorcontrolled media. www.daimi.au.dk/PB/508/PB-508.ps.gz

H+K spectroscopy of luminous infrared galaxies - Ariane Lancon Brigitte (Correct)
HK spectroscopy of luminous infrared galaxies Ariane Lancon Brigitt ftp.iap.fr/pub/preprints/iap9510505-lancon.ps.Z

Agent Tcl: - Targeting The (Correct)
be written in Tcl, Java, and Scheme, although the **version** available to the public supports only Tcl at From the system's point of view, there is no **difference between** the two kinds of agents, except that a to new machines to minimize the average latency **between** itself and its clients. 2 In short, the true ftp.cs.dartmouth.edu/pub/kotz/papers/kotz:jmobile.ps.Z

The HCONE Approach to Ontology Merging - George (Correct)
must effectively answer queries bridging the gaps **between** their formal ontologies and users' own The HCONE Approach to Ontology **Merging** Konstantinos Kotis 1 George A. Vouros 1 1 of semantically related information must be **created** at-request. Therefore, coordination (i.e. www.icsd.aegean.gr/Postgraduates/kkot/KotisFinal.pdf


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1 [Version models for software configuration management](#)

Reidar Conradi, Bernhard Westfechtel

June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Full text available:  [pdf\(483.54 KB\)](#)

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After more than 20 years of research and practice in software configuration management (SCM), constructing consistent configurations of versioned software products still remains a challenge. This article focuses on the version models underlying both commercial systems and research prototypes. It provides an overview and classification of different versioning paradigms and defines and relates fundamental concepts such as revisions, variants, configurations, and changes. In particular, we foc ...

Keywords: changes, configuration rules, configurations, revisions, variants, versions

2 [Take CoVer: exploiting version support in cooperative systems](#)

Anja Haake, Jörg M. Haake

May 1993 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available:  [pdf\(1.44 MB\)](#)

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Current CSCW applications support one or more modes of cooperative work. The selection of and transition between these modes is usually placed on the users. At IPSI we built the SEPIA cooperative hypermedia authoring environment supporting a whole range of situations arising during collaborative work and the smooth transitions between them. While early use of the system shows the benefits of supporting smooth transitions between different collaborative modes, it also reveals some deficits r ...

Keywords: CSCW, alternative object states, cooperation modes, group awareness, hypertext, versioning

3 [VerSE: towards hypertext versioning styles](#)

Anja Haake, David Hicks

March 1996 **Proceedings of the the seventh ACM conference on Hypertext**

Full text available:  [pdf\(1.88 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: task-based versioning, version support environment, version support/control, versioning styles/policies

4 Archiving scientific data

Peter Buneman, Sanjeev Khanna, Keishi Tajima, Wang-Chiew Tan

March 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 1

Full text available:  [pdf\(745.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Archiving is important for scientific data, where it is necessary to record all past versions of a database in order to verify findings based upon a specific version. Much scientific data is held in a hierarchical format and has a key structure that provides a canonical identification for each element of the hierarchy. In this article, we exploit these properties to develop an archiving technique that is both efficient in its use of space and preserves the continuity of elements through versions ...

Keywords: Keys for XML

5 Requirements for distributed authoring and versioning on the World Wide Web

J. A. Slein, F. Vitali, E. J. Whitehead, D. G. Durand


March 1997 **StandardView**, Volume 5 Issue 1

Full text available:  [pdf\(96.62 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

6 Efficient and flexible methods for transient versioning of records to avoid locking by read-only transactions

C. Mohan, Hamid Pirahesh, Raymond Lorie

June 1992 **ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data**, Volume 21 Issue 2

Full text available:  [pdf\(1.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present efficient and flexible methods which permit read-only transactions that do not mind reading a possibly slightly old, but still consistent, version of the data base to execute without acquiring locks. This approach avoids the undesirable interferences between such queries and the typically shorter update transactions that cause unnecessary and costly delays. Indexed access by such queries is also supported, unlike by the earlier methods. Old versions of records are maintained only ...

7 Unified versioning through feature logic

Andreas Zeller, Gregor Snelting

October 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 6 Issue 4

Full text available:  [pdf\(699.55 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Software configuration management (SCM) suffers from tight coupling between SCM versioning models and the imposed SCM processes. In order to adapt SCM tools to SCM processes, rather than vice versa, we propose a unified versioning model, the version set model. Version sets denote versions, components, and configurations by feature terms, that is, Boolean terms over (feature : value)-attributions. Through feature logic, we ...

Keywords: feature logic, version sets

8 Version management in Gypsy

Ellis S. Cohen, Dilip A. Soni, Raimund Gluecker, William M. Hasling, Robert W. Schwanke, Michael E. Wagner

Full text available:  [pdf\(1.85 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the Version Manager of the Gypsy programming support environment, and its integration with the object-oriented extension of Unix1 on which it is built.

9 [Hypertext versioning: The molhado hypertext versioning system](#)

Tien N. Nguyen, Ethan V. Munson, John T. Boyland

August 2004 **Proceedings of the fifteenth ACM conference on Hypertext & hypermedia**

Full text available:  [pdf\(943.36 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes *Molhado*, a hypertext versioning and software configuration management system that is distinguished from previous systems by its flexible product versioning and structural configuration management model. The model enables a unified versioning framework for atomic and composite software artifacts, and hypermedia structures among them in a fine-grained manner at the logical level. Hypermedia structures are managed separately from documents' contents. Molhado explicitly r ...

Keywords: hypertext versioning, software configuration management, software engineering, version control

10 [Comparison of access methods for time-evolving data](#)

Betty Salzberg, Vassilis J. Tsotras

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Full text available:  [pdf\(529.53 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper compares different indexing techniques proposed for supporting efficient access to temporal data. The comparison is based on a collection of important performance criteria, including the space consumed, update processing, and query time for representative queries. The comparison is based on worst-case analysis, hence no assumptions on data distribution or query frequencies are made. When a number of methods have the same asymptotic worst-case behavior, features in the methods tha ...

Keywords: I/O performance, access methods, structures, temporal databases

11 [Mae—a system model and environment for managing architectural evolution](#)

Roshanak Roshandel, André Van Der Hoek, Marija Mikic-Rakic, Nenad Medvidovic

April 2004 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 13 Issue 2

Full text available:  [pdf\(2.39 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As with any other artifact produced as part of the software life cycle, software architectures evolve and this evolution must be managed. One approach to doing so would be to apply any of a host of existing configuration management systems, which have long been used successfully at the level of source code. Unfortunately, such an approach leads to many problems that prevent effective management of architectural evolution. To overcome these problems, we have developed an alternative approach cent ...

Keywords: Design environment, Mae, evolution, system model

12 [Differences between versions of UML diagrams](#)

Dirk Ohst, Michael Welle, Udo Kelter

September 2003 **ACM SIGSOFT Software Engineering Notes**, Proceedings of the 9th

Full text available:  [pdf\(202.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper addresses the problem of how to detect and visualise differences between versions of UML documents such as class or object diagrams. Our basic approach for showing the differences between two documents is to use a unified document which contains the common and specific parts of both base documents; the specific parts are highlighted. The main problems are (a) how to abstract from modifications done to the layout and other (document type-specific) details which are considered irrelevant ...

Keywords: UML diagrams, configuration, design transaction, differences, fine-grained data model, software engineering environments, versions

13 Using the web for document versioning: an implementation report for Delta V

James J. Hunt, Jürgen Reuter

July 2001 **Proceedings of the 23rd International Conference on Software Engineering**

Full text available:  [pdf\(95.21 KB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
[Publisher Site](#)


The current suite of systems that offer client/server capabilities for document versioning relies on proprietary protocols for communicating between a central versioning repository and a remote client. In order to support better document authoring via the Web, the DeltaV working group of the Web-DAV (WWW Distributed Authoring and Versioning) project of the Internet Engineering Task Force is working on a standard protocol for versioning over HTTP. The authors present a prototype of DeltaV b ...

Keywords: Delta V, RCE, WWW, WebDAV, versioning

14 Versioning a full-text information retrieval system

Peter G. Anick, Rex A. Flynn

June 1992 **Proceedings of the 15th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available:  [pdf\(1.53 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we present an approach to the incorporation of object versioning into a distributed full-text information retrieval system. We propose an implementation based on "partially versioned" index sets, arguing that its space overhead and query-time performance make it suitable for full-text IR, with its heavy dependence on inverted indexing. We develop algorithms for computing both historical queries and time range queries and show how these algorithms can be applied to ...

15 Efficient schemes for managing multiversionXML documents

S.-Y. Chien, V. J. Tsotras, C. Zaniolo

December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4

Full text available:  [pdf\(926.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Multiversion support for XML documents is needed in many critical applications, such as software configuration control, cooperative authoring, web information warehouses, and "e-permanence" of web documents. In this paper, we introduce efficient and robust techniques for: (i) storing and retrieving; (ii) viewing and exchanging; and (iii) querying multiversion XML documents. We first discuss the limitations of traditional version control methods, such as RCS and SCCS, and then propose ...

Keywords: Historical queries, Temporal clustering, Temporal indexing, Version

16 Repositories and object oriented databases

Philip A. Bernstein

March 1998 **ACM SIGMOD Record**, Volume 27 Issue 1


Full text available:  pdf(87.84 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A repository is a shared database of information about engineered artifacts. An object-oriented repository has many of the same features as an object-oriented database: properties, relationships, and versioning. However, the two technologies are different for two reasons. First, a repository system has built-in information models, which are database schemas or object models that cover both generic and tool-specific kinds of information. Second, the features of a repository are often more function ...

17 Research session: data warehousing and archive: Archiving scientific data

Peter Buneman, Sanjeev Khanna, Keishi Tajima, Wang-Chiew Tan

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**

Full text available:  pdf(1.27 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present an archiving technique for hierarchical data with key structure. Our approach is based on the notion of timestamps whereby an element appearing in multiple versions of the database is stored only once along with a compact description of versions in which it appears. The basic idea of timestamping was discovered by Driscoll *et. al.* in the context of persistent data structures where one wishes to track the sequences of changes made to a data structure. We extend this idea to develop ...

18 Versioning and fragmentation: Fine-grained, structured configuration management for web projects

Tien Nhut Nguyen, Ethan Vincent Munson, Cheng Thao

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Full text available:  pdf(698.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Researchers in Web engineering have regularly noted that existing Web application development environments provide little support for managing the evolution of Web applications. Key limitations of Web development environments include line-oriented change models that inadequately represent Web document semantics and inability to model changes to link structure or the set of objects making up the Web application. Developers may find it difficult to grasp how the overall structure of the Web application ...

Keywords: software configuration management, version control, web engineering

19 Structural and cognitive problems in providing version control for hypertext

Kasper Østerbye

December 1993 **Proceedings of the ACM conference on Hypertext**

Full text available:  pdf(932.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 An integrated approach to version control management in computer supported collaborative writing

Byong G. Lee, Kai H. Chang, N. Hari Narayanan

April 1998 **Proceedings of the 36th annual Southeast regional conference**

Full text available:  pdf(1.19 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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